



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	T
PO039023	MES002-VC	1	1	Net 30	M304B0.250x0.500	304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				400	2/20/2018	442		S044493	Stock	2/22/2018	\$ 4.05 / ft	0		\$
Total:										400		442								\$1.

Plex 2/22/2018 8:14 AM Dart, Dubois, Pascal

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Shipping Order

19/02/2018

Order : 132676
Reference : 39023
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SF14124HR	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 STAIN FLA .25" X .500" HR 34 x 13' r/l ***** HT:67645074 HT:67736108	442	442	0

ship journey collect
jp

3 SKIDS 2-20-18
32 756

Shipping :
Package No :
Merchandise Received:

Ref. :
:

Shipping Order

19/02/2018

METALUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Order : 132676
Reference : 39023
Ship : PICK UP / PICK UP

Customer: 6323336

Ship To

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
SF14124HR	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 STAIN FLA .25" X .500" HR 34 x 13' r/l ***** HT;67645074 HT;67736108	442	<u>442</u>	<u>0</u>

ship journey collect

jp

Shipping : _____

Ref. : _____

Package No : _____

Merchandise Received: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039023**

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO039023

PO Date: 2/13/18

Due Date: 2/20/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
FEB 13 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/20/18	400 ft	0 ft 442' DAS 11 9-89	400 ft	\$4.0521/ft	\$1,620.84
									Grand Total:	\$1,620.84

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/13/18 7:21 AM dart.lavoie.chantal

2/13/2018

PURCHASE ORDER



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039023**

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO039023

PO Date: 2/13/18

Due Date: 2/20/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
 Phone: clavole@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items											
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www.dartaerospace.com for further explanation.

Plex 2/13/18 7:21 AM dart.lavoie.chantal

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.250X0.500
 DATE: FEB 22 2018

PO / BATCH NO.: 039023/

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 442'
 QUANTITY INSPECTED: 442'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250
 THICKNESS RECEIVED: 0.250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	A67m A276
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	Heat # 67645074-67736108
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89</u> <u>FEB 22 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION: ASTM A276 OR ASTM A240

PART NUMBER: M304B-TTTT | WWW.WWW |
THICK | WIDTH

WHERE "T, TTT" = THICKNESS IN INCHES
AND "WWW, WWW" = WIDTH IN INCHES

△ EG. 0.5" X 3.0" BAR = M304B0.500X03.000
△ EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30

C	ADDED PLATE TO PURCHASE MATERIAL ADDED PLATE RELATED SPECIFICATIONS, AND EG.: CHANGED TITLE FROM "304/316 BAR" TO "304/316 BAR/PLATE"	MB	10.11.25
B	REFORMAT DWG. ADD SPECS (2N D6-1). REF PAR 08-020A	CP	09.07.15
A	NEW ISSUE	PH	05.08.10
REV.	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN	PH		
CHECKED	PH		
MFG. APPR.	M304B		
APPROVED			
DE APPR.			
DATE	10.11.25		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304B			
REV. C SHEET 1 OF 1			
TITLE 304/316 BAR/PLATE			
SCALE NTS			
COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

BOLLINGHAUS[®] STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 090458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade		No.: / Nr.: / Nr.:										
		EN 10204:2004 / 3.1		0000136628										
Unsere Innere Verweisung / Our Int. Ref / N° ref int		Datum / Date / Data												
5800038278 000010		19.12.2017												
Spezifikation / Standards / Normas TYPE 304/UNS S30400 and TYPE 304/UNS S30403 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A193/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-16a, ASTM A314-15, ASTM A262-15 Pract. E, AMS QQ-S-763D, AMS 5639J, AMS 5647K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.														
Kunde / Customer / Cliente			Endgültiger Kunde / Final Customer / Cliente Final											
Bestell Nr./Order Nr./Enc.Nr. c110766			Bestell Nr./Order Nr./Enc.Nr. c110766.1											
Produktgruppe / Product Group / Grupo Produto		Gewicht / Weight / Peso		Bunde / Bundle / Atados										
AISI 304/L FLAT 1/4 X 1/2"		1.059 lb		01										
Werkstoff-Nr. Material-no. Qualidade		Werkstoff-Normbezeichnung / Material standard grade / Norma do material												
1.4307		X 2 CrNi 18-9												
Beschreibung / Description / Descrição Stainless steel flat bars, hot rolled, heat treated, straightened and pickled US DFAR 252.225-7009: MELT SOURCE: France / MFG: Portugal.														
Chemische Analyse in % / Chemical composition in % / Análise química em %														
Bezeichnung Nr. Cast nr. / Fusão nr.	C	0.018	Si	0.525	Mn	1.154	P	0.029	S	0.025	Cr	18.127	Ni	8.045
67736108	Mo	0.376	Co	0.117	Cu	0.406	N	0.080	Ti	0.002	-	-	-	-
EA4+AOD														
Proben Nr. Test no. Amostra no.	ASTM E399			ASTM A370										
	Kerbschlagarbeit Impact Test Resiliência			Streckgrenze Yield point Tensão limite		Dehngrenze 1% point Limite de extensão		Zugfestigkeit Tensile strength Tensão de ruptura		Dehnung Elongation Alongamento		Einschnürung Reduction of area Coef. Estricção		
	{Charpy V}			Rp 0.2 %		Rp 1.0 %		Rm		A5		4D		
	[J]			[KJ]		[KJ]		[KJ]		[%]		[%]		
4036951.01.01	-			48		67		93		53.9		56.4		
Visuelle Kontrolle Visual Inspection Inspeção visual		ASTM E10		ASTM A262 Practice E		Wärmebehandlung Heat treatment Tratamento térmico								
Ok		Härte Hardness Dureza		195 [HB]		Korrosionsbeständigkeit IC Test Corrosão intersticial		Ok		Annealed Quenched 1800 °F (1050 °C)				
ASTM A484		ASTM E112		Abnahmebeauftragter		Authorized Inspection Representative		Inspector of Quality		(water quenched)				
Maßkontrolle Dimensional Inspection Inspeção dimensional		Korngröße Grain size Tamanho de grão		396		Vasco Ferreira (Q - VF)								
Ok		9												
Verwechslungsprüfung Test of Identity Teste de identificação		Mikroskopische Untersuchung Macrographic test		Ok										
Ok		Material free from segregation defects.		Ok										
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.						Bollinghaus Steel, SA Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.								

BOLLINGHAUS
STEELBollinghaus Steel, SA
DIN EN ISO 9001:2008
TUV CERT No. 01 100 030458

Abnahmeprüfzeugnis/Nil Test Certificate/Certif. de Qualidade

EN 10204:2004 / 3.1

No.: /Nr.: /Nr.:

0000127397

Unsere /Innere Verweisung /Our int. Ref/ N/ ref int

Datum / Date / Data

5600034598 000060

11.04.2017

Normen / Standards / Normas

TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A193/A193M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A262-15 Pract. E, AMS QQ-S-763D, AMS 5639H, AMS 5647J, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A479/A479M-16.

Kunde / Customer / Cliente

Endgültiger Kunde / Final Customer / Cliente Final

Bestell Nr. / Order Nr. / Enc.Nr. C107839

Bestell Nr. / Order Nr. / Enc.Nr. C107839.01

Produktgruppe / Product Group / Grupo Produto

Gewicht / Weight / Peso

Bunde / Bundle / Atados

AISI 304L FLAT 1/4 X 1/2"

2.116 lb

02

Werkstoff-Nr.
Material no.
Qualidade 1.4307Werkstoff-Normbezeichnung / Material standard grade / Norma do material
X 2 CrNi 18-9

Beschreibung / Description / Descrição

Stainless steel flat bars, hot rolled, heat treated, straightened and pickled.
US-DEAR 252.225-7009: MELT SOURCE: France / MFG: Portugal.Schmelzanalyse
Cast nr. / Fundição

Chemische Analyse in % / Chemical composition in % / Análise química em %

0.023	Si	0.540	Mn	1.069	P	0.028	S	0.022	Cr	16.188	Ni	8.072
0.418	Co	0.146	Cu	0.426	N	0.100	Ti	0.001	-	-	-	-

Proben-Nr. Test no. Amostra no.	ASTM E399			ASTM A370				
	Kerbschlagarbeit Impact Test Resiliência	Streckgrenze Yield point Tensão limite	Dehngrenze 1% point Limite de extensão	Zugfestigkeit Tensile strength Tensão de ruptura	Dehnung Elongation Alongamento	Einschnürung Reduction of area Coef. Estricção		
	(Charpy V)	Rp 0.2 %	Rp 1.0%	Rm	A5	A5	A5	
	[J]	[KJ]	[KJ]	[KJ]	[%]	[%]	[%]	
4034598.01:01		48.6	55.7	93.1	54.6	57.6	70.5	

Visualkontrolle Visual inspection Inspeção visual	OK	ASTM E10 Härte Hardness Dureza [HB] 190	ASTM A262 Practice E Korrosionsbeständigkeit IC Test Corrosão Intermetálica Ok	Wärmebehandlung Heat treatment Tratamento térmico Annealed Quenched 1900 °F (1050 °C) (water quenched)
Messkontrolle Dimensional inspection Inspeção dimensional	Ok	ASTM E112 Korngröße Grain size Tamanho de grão 9	Werkzeugverständiger Quality Control Representative Inspector de Qualidade N 305 Nuno Silva (n-NS)	
Verwechslungsprüfung Test of identity Teste de identificação	Ok	Makroskopische Untersuchung Macrographic test Material free from segregation defects. Ok		

Bemerkungen / Remarks / Observações

Country of origin: Portugal. No weld repair done.
Material is free of mercury and radiation contamination.

Hiermit bestätigen wir, dass das Material der oben genannten

Spezifikation entspricht.
We confirm that this material meets the specification accordingthe mentioned standards.
Confirmamos que este material respeita as especificações

de acordo com as normas referidas.

128 KRP

19932